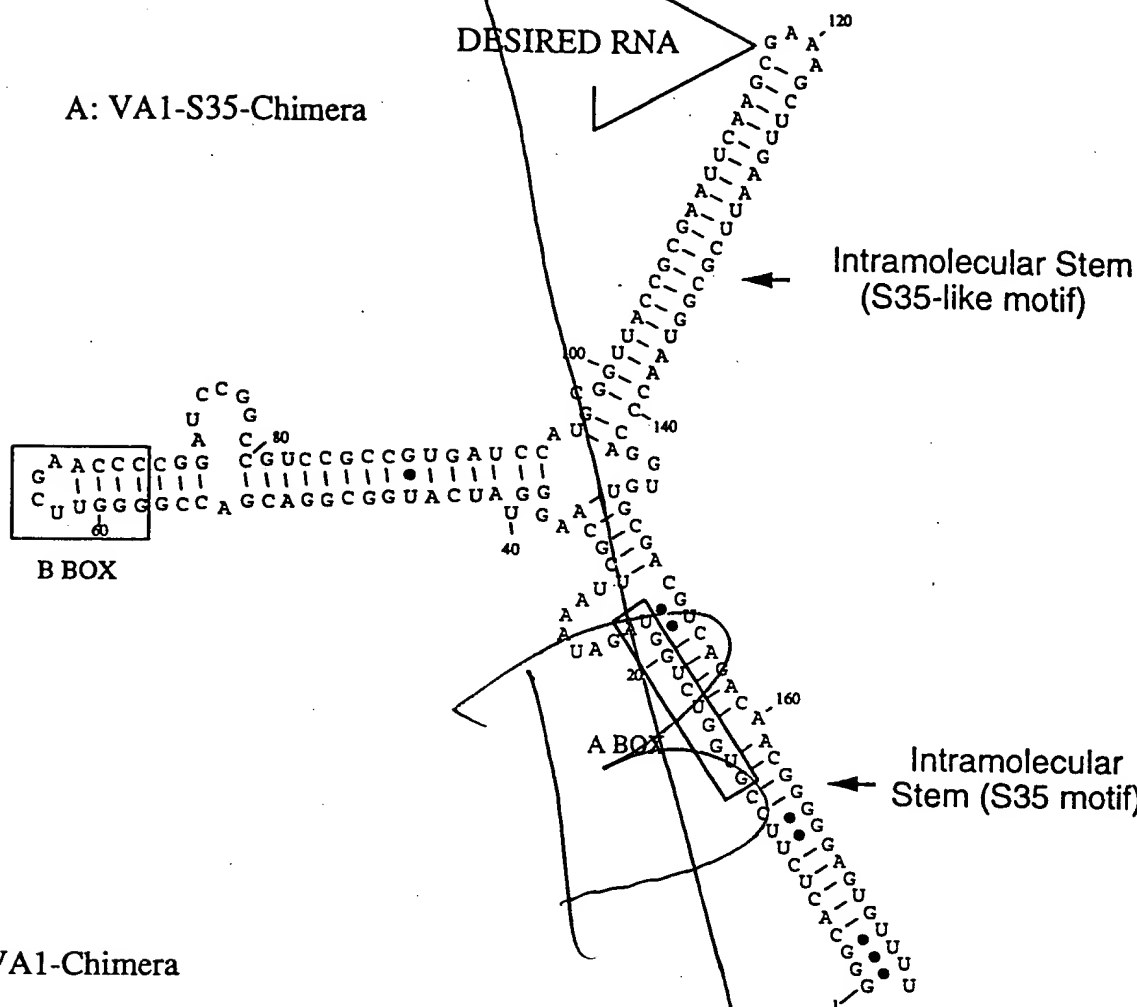
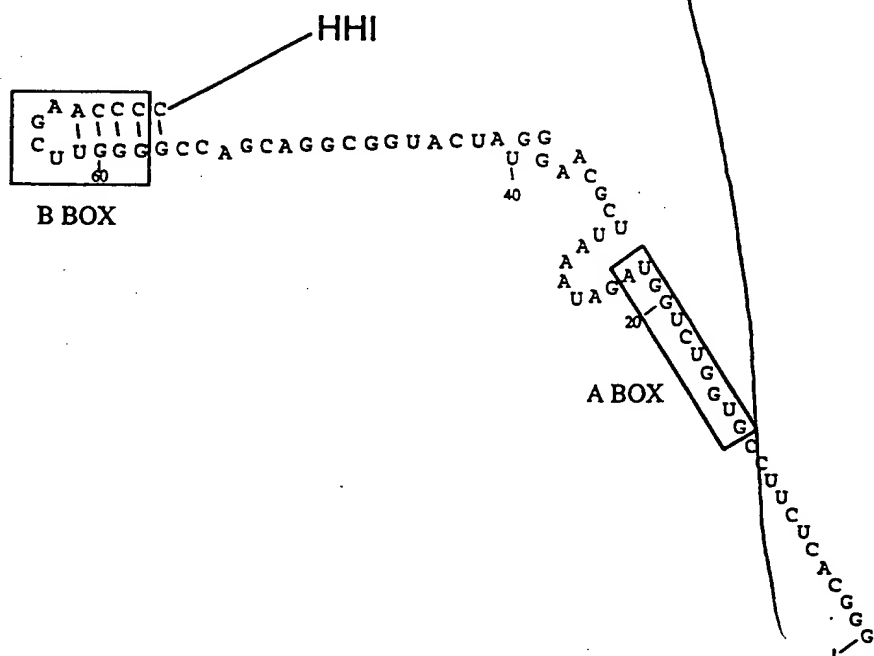


Figure 25 : VA1-Chimeras

A: VA1-S35-Chimera



B: VA1-Chimera

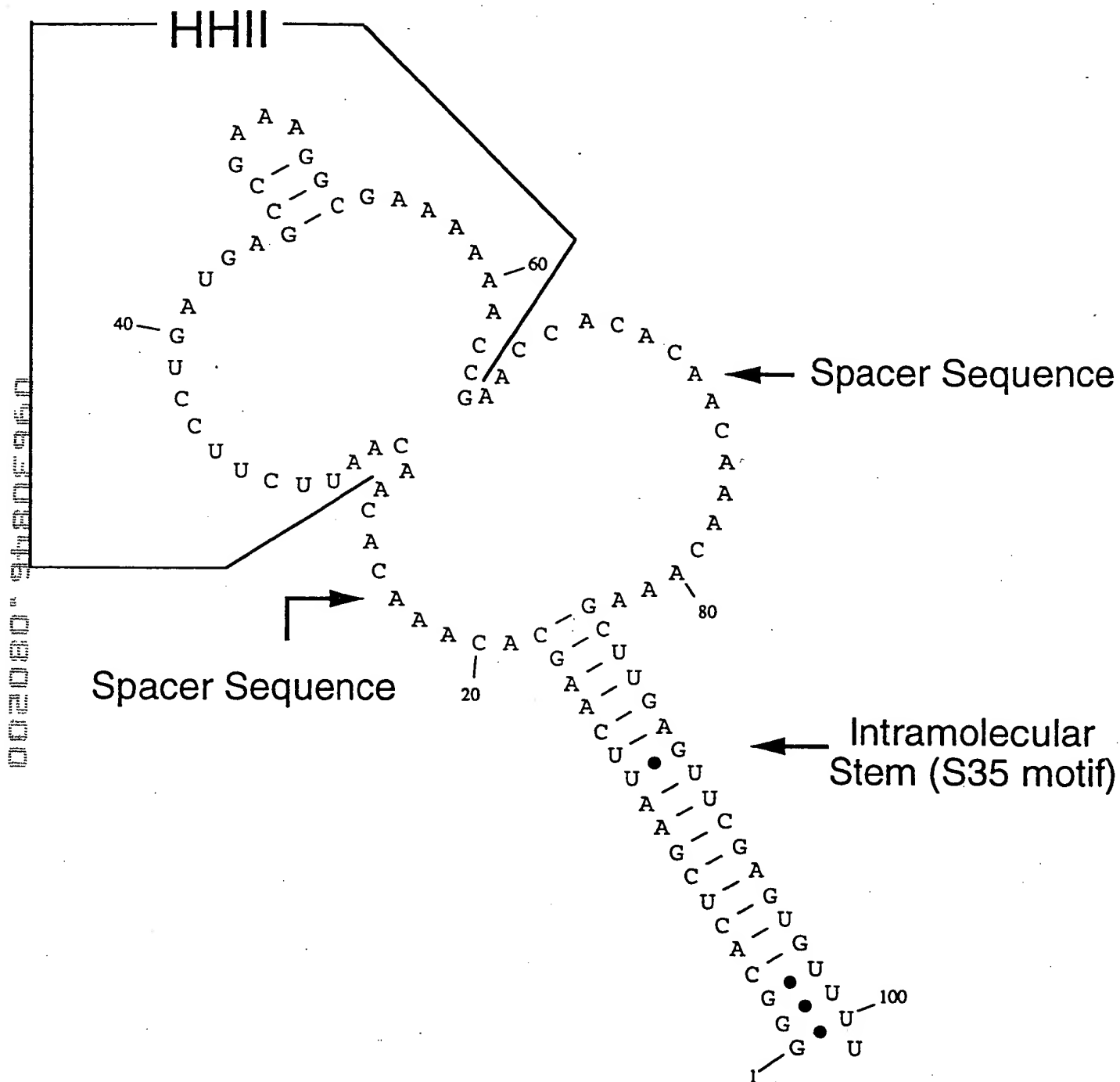


002080-9180960

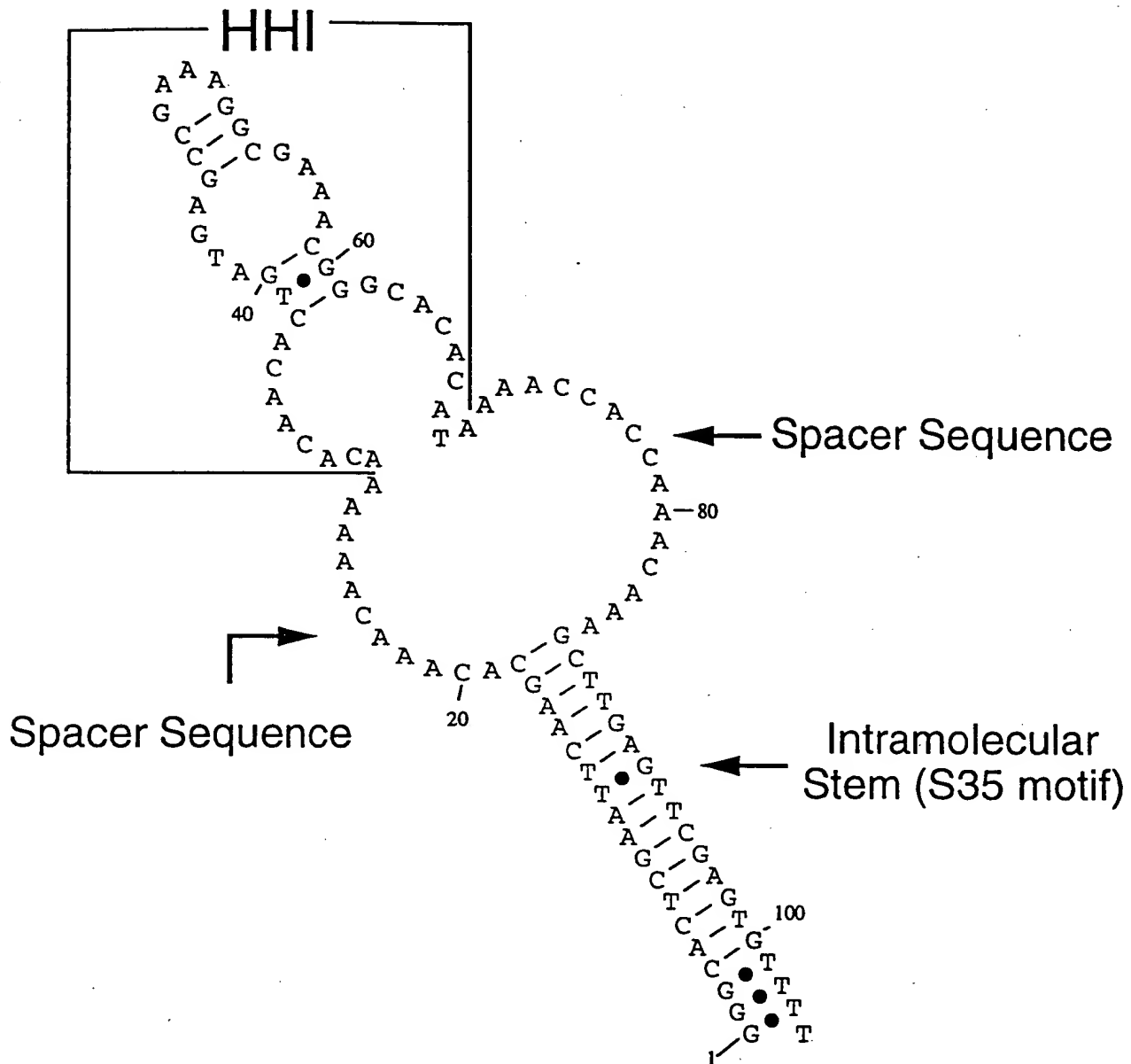
**SECRET**



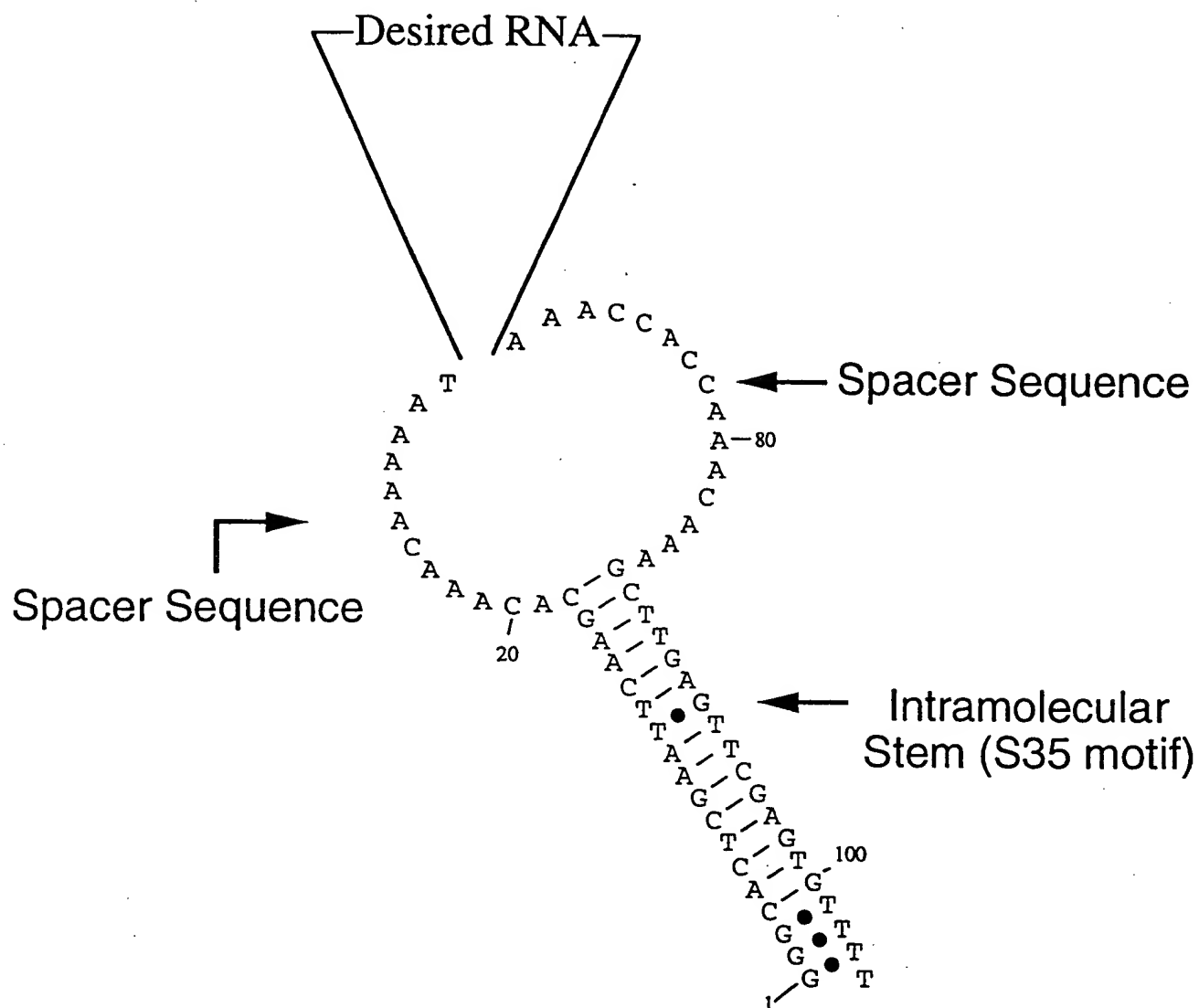
Figure 21: Human U6-S35-Ribozyme Chimera  
(U6C-S35-HHII)



□□□□□□□□□□



0 9 6 3 0 6 1 9 2 0 0 0



# HPITRZ-A Ribozyme Chimera

002080" 9480950

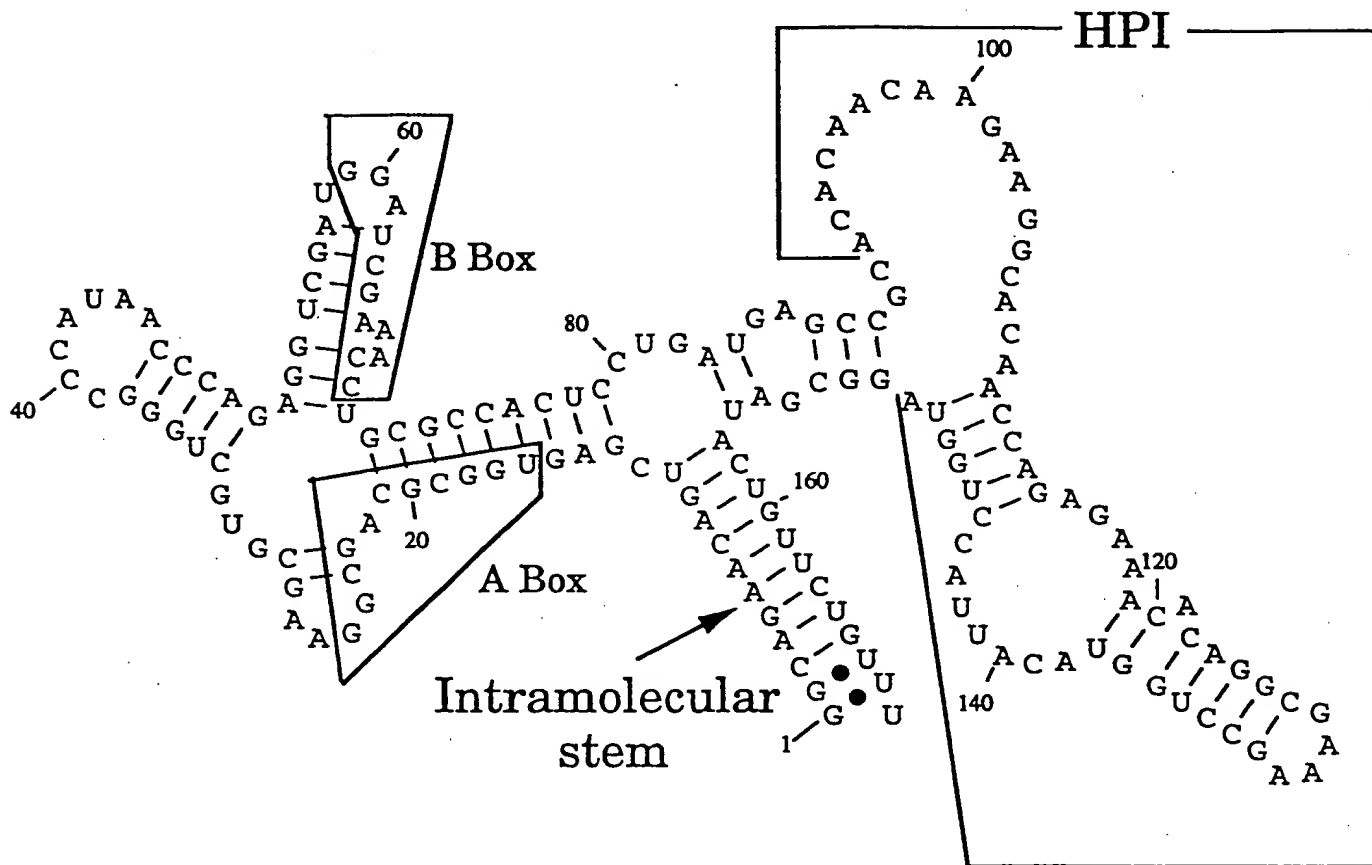


Figure 17 B

# HHITRZ-A Ribozyme Chimera

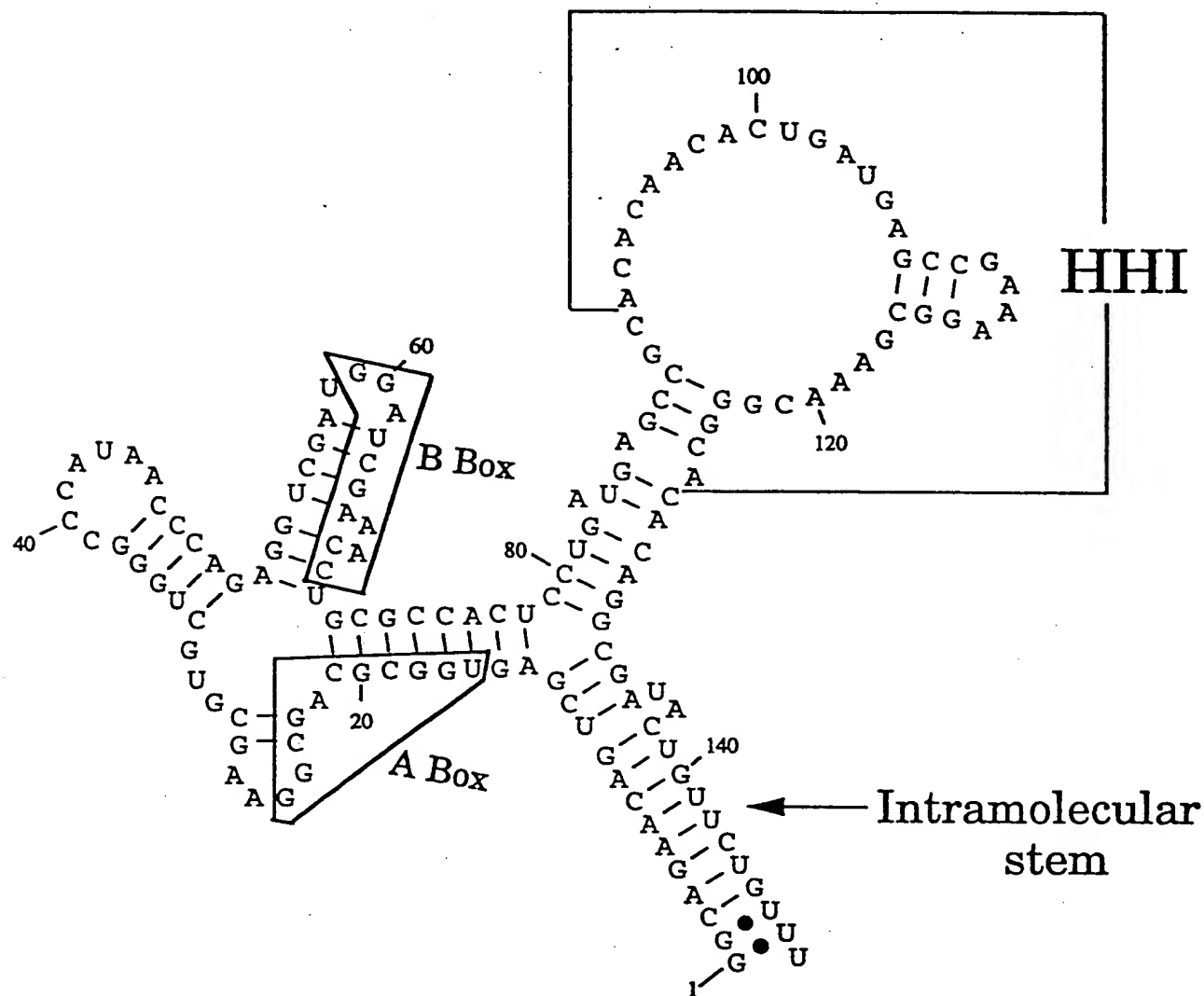
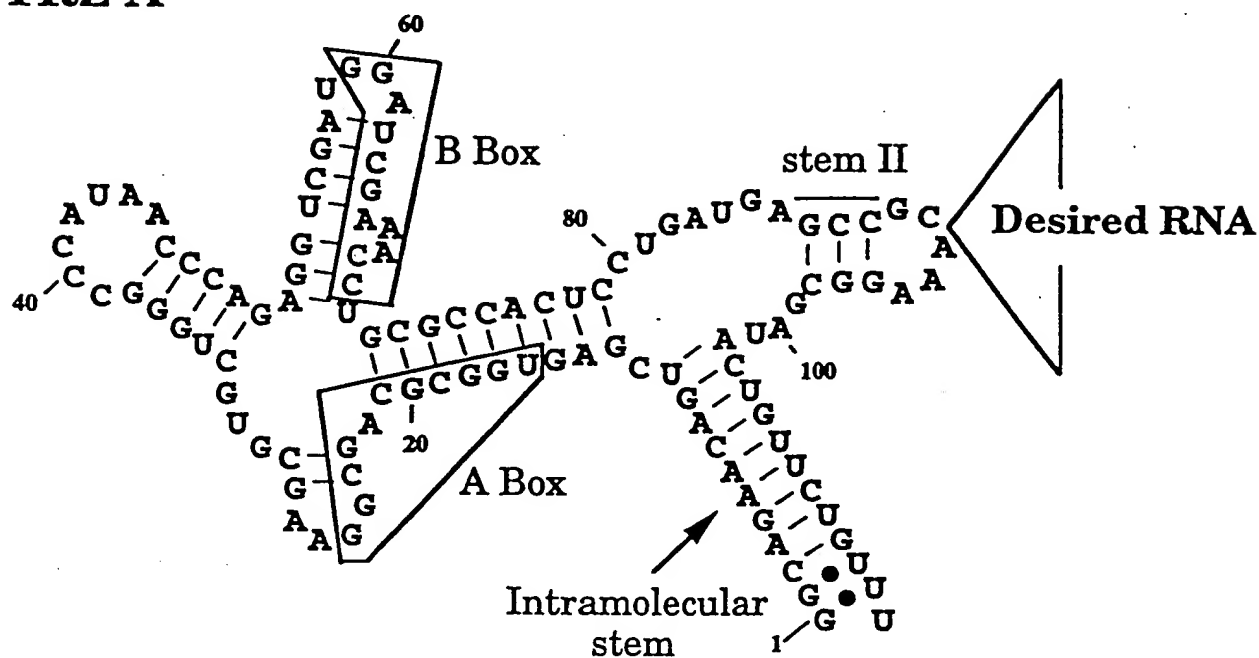


Figure 17A

# TRZ RNA Chimer

## A: TRZ-A



## B: TRZ-B

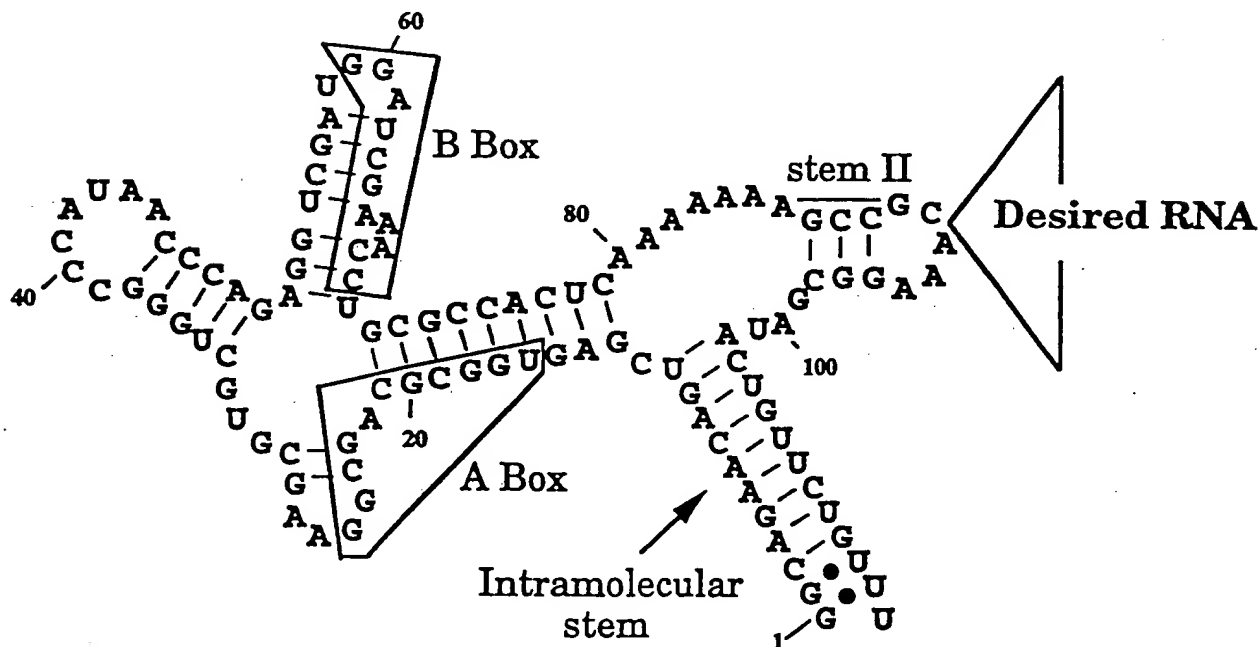


Figure 16



# 5T Ribozyme Chimera (HI5T)

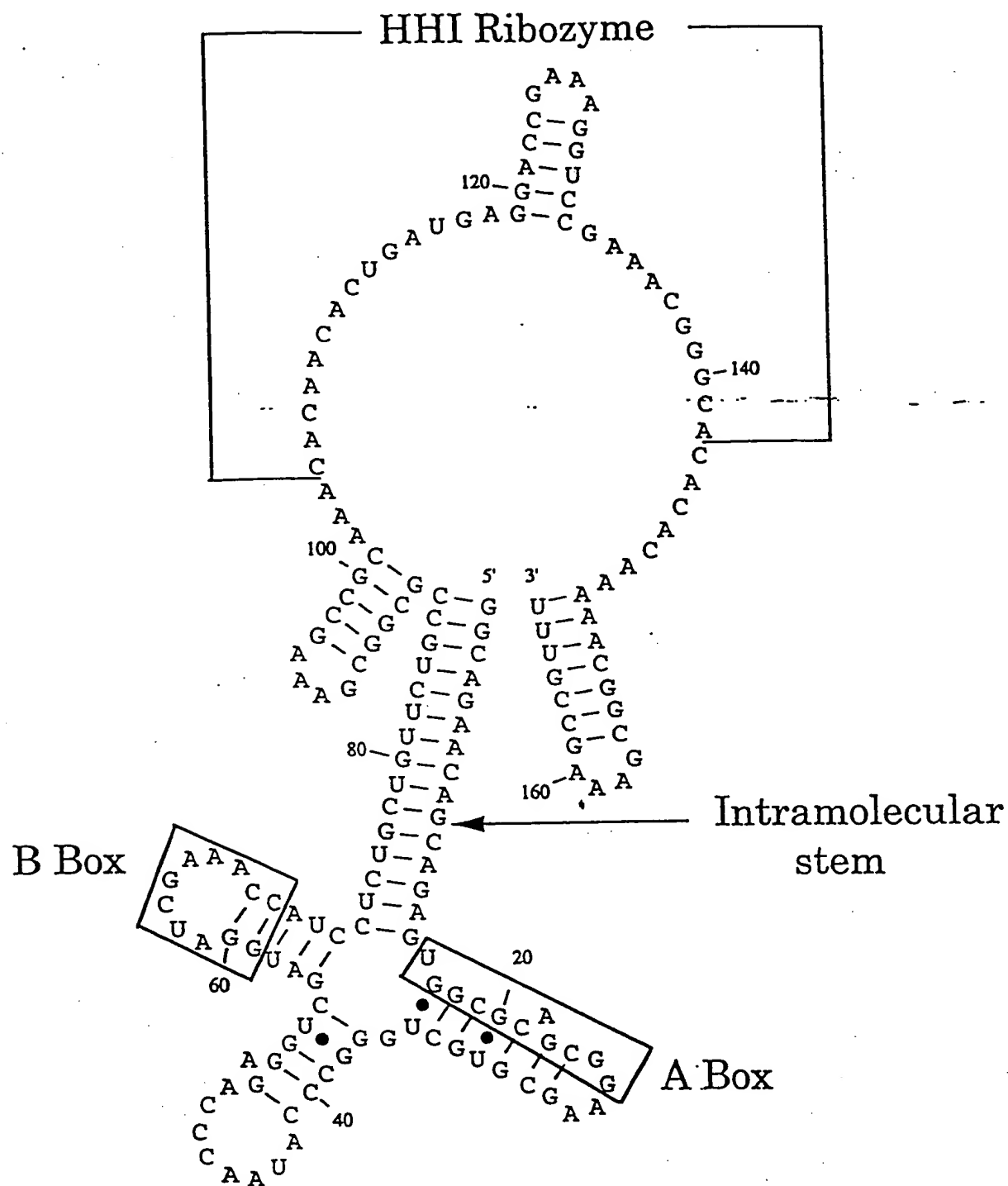


Figure 15 B



## HHIS35 Plus

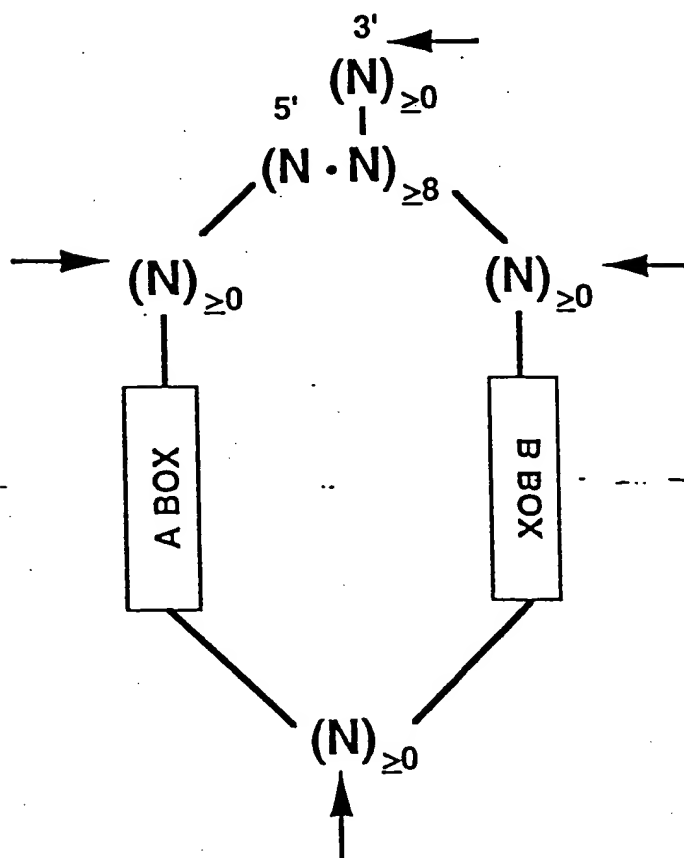
GGCAGAACAG CAGAGUGGCG CAGCGGAAGC GUGCUGGGCC CAUAACCCAG 50  
AGGUCGAUGG AUCGAAACCC CGGAUCGUAC CGCGGCACAA CACUGAUGAG 100  
GACCGAAAGG UCCGAAACGG GCAGGAUCCU AACGAUCCGG GGUGUCGAUC 150  
CAUCACUCUG CUGUUCUGUU U 171

Underlined bases indicate the HHI ribozyme sequence

FIGURE 12 b

002080-9180E960

# Proposed Chemical Formula for S35 Expression Cassette



A BOX = URGCNNAGYGG

B BOX = GGUUCGANUCC

This is based on Geiduschek & Tocchini-Valentini, (1988) Annu. Review Biochem. 57, 873-914. However this consensus sequence is not meant to be limiting

N = A, U, G, or C

R = Purine

Y = Pyrimidine

• = Indicates base-pairing

— = Indicates covalent linkage

➔ = Indicates sites at which desired RNAs can be cloned

FIGURE 13

002030-91302960

## S35 Plus Sequence

GGCAGAACAG CAGAGUGGCG CAGCGGAAGC GUGCUGGGCC CAUAACCCAG 50  
AGGUCGAUGG AUCGAAACCC CGGAUCGUAC CGCGGGGAUC CUAACGAUCC 100  
GGGGUGUCGA UCCAUCACUC UGCUGUUCUG UU U 133

FIGURE 12 a

002080" 9480E960

# HHIS35

GGCAGAACAG CAGAGUGGCG CAGCGGAAGC GUGCUGGGCC CAUAACCCAG 50  
AGGUCGAUGG AUCGAAACCC CGGAUCGUAC CGCGGCACAA CACUGAUGAG 100  
GACCGAAAGG UCCGAAACGG GCAGGAUCCA CUCUGCUGUU CUGUUU 146

Underlined bases indicate the HHI ribozyme sequence

FIGURE 11 b

002080-91802960

## S35 Sequence

GGCAGAACAG CAGAGUGGCG CAGCGGAAGC GUGCUGGGCC CAUAACCCAG 50  
AGGUCGAUGG AUCGAAACCC CGGAUCGUAC CGCGGUGGAU CCACUCUGCU 100  
GUUCUGUUU 109

FIGURE 11 a

002080" 9430E960

# S35 Plus Ribozyme Chimera (HHIS35 Plus)

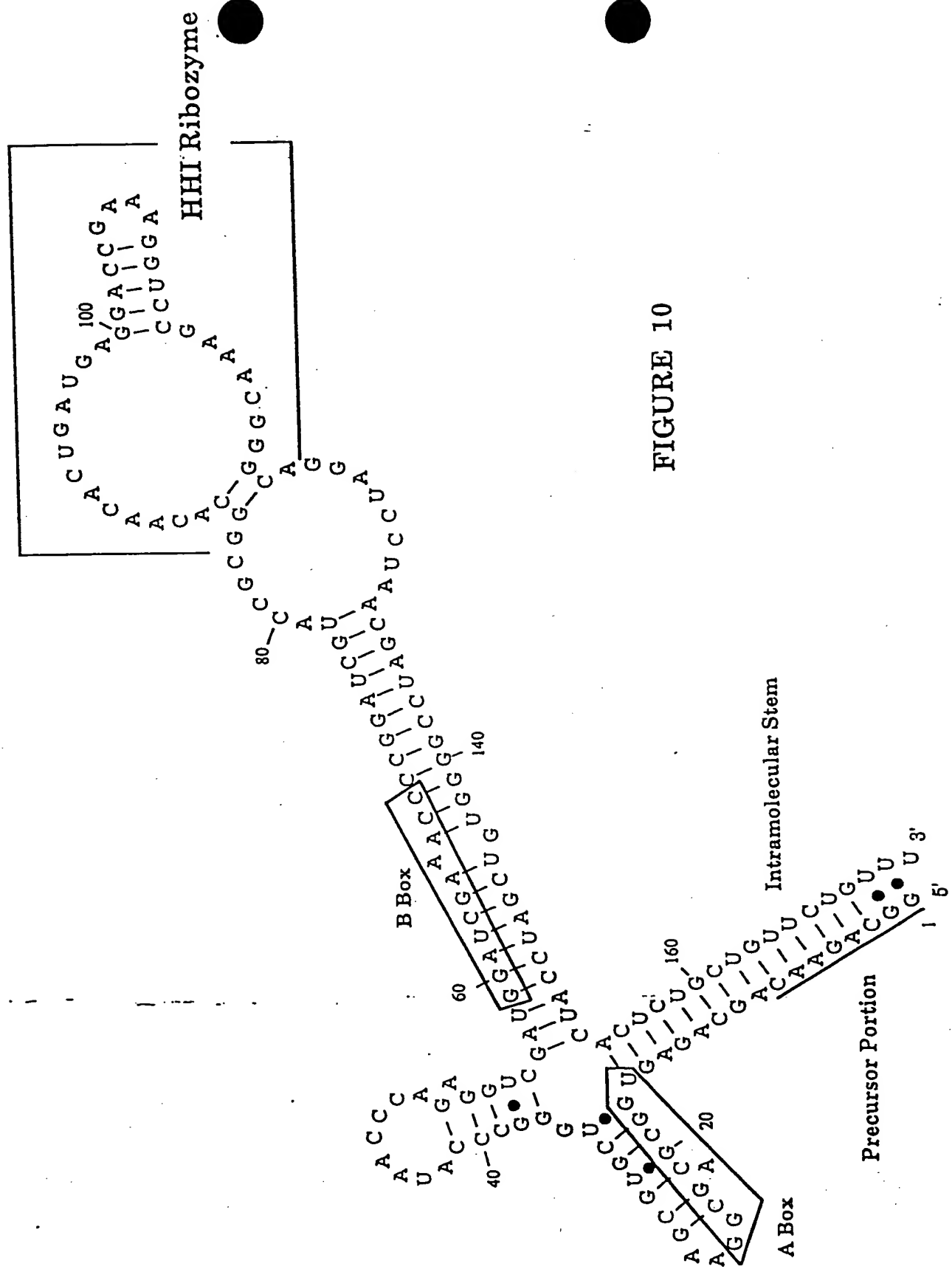


FIGURE 10



### S35 Plus tRNA Chimera (S35 Plus)

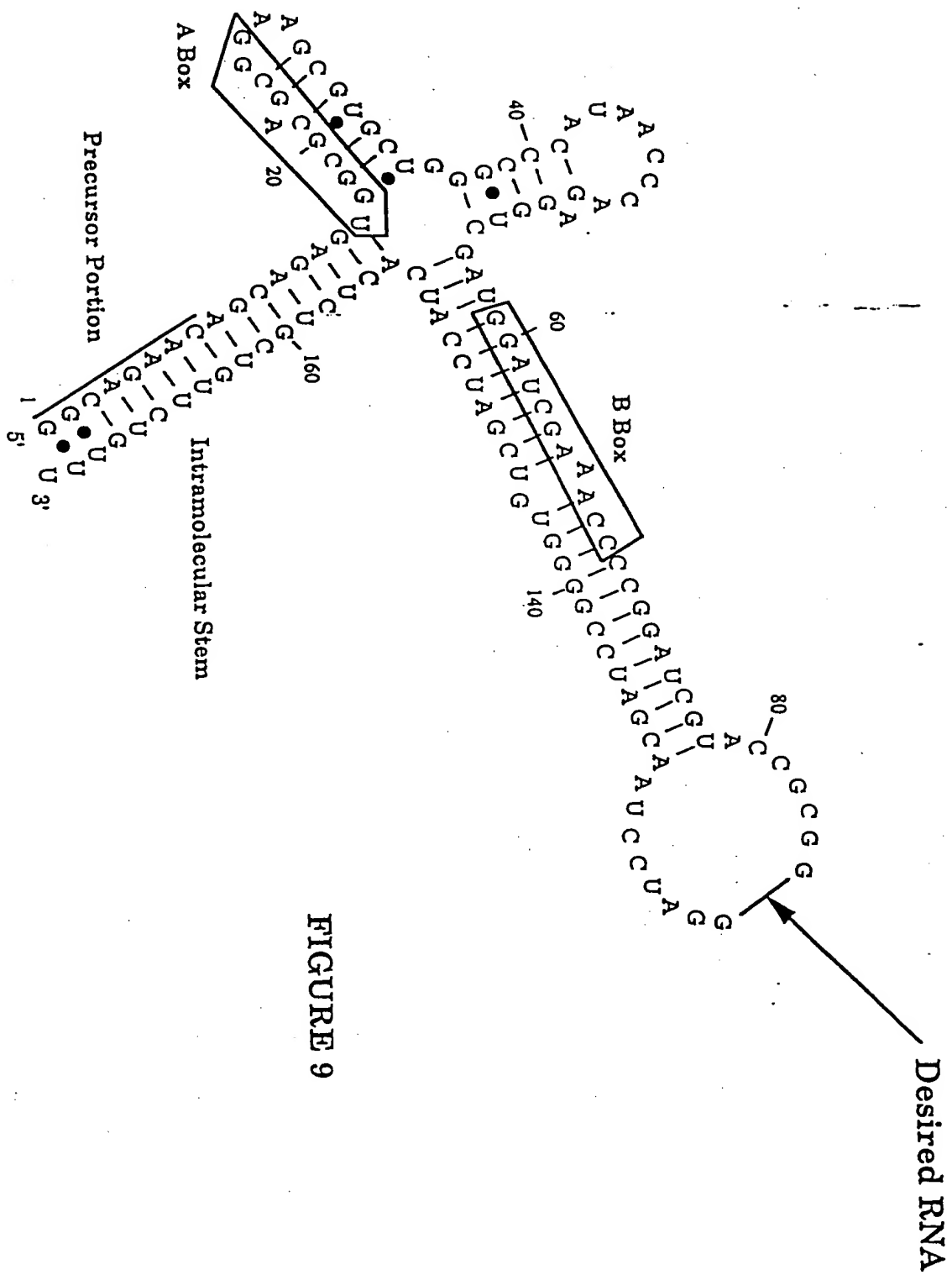


FIGURE 9

0506070809101112131415161718192021222324252627282930313233343536373839404142434445464748495051525354555657585960616263646566676869707172737475767778798081828384858687888990919293949596979899

# S35 Ribozyme Chimera (HHIS35)

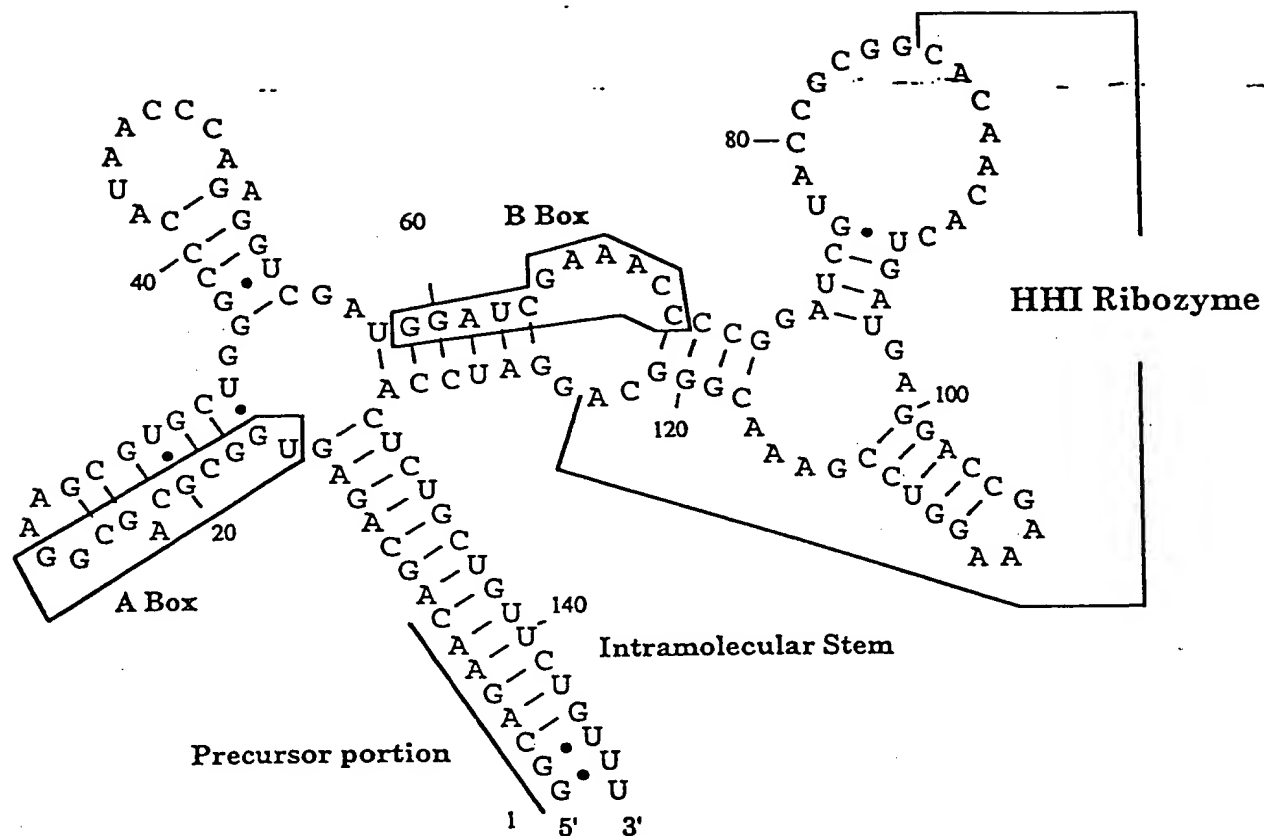


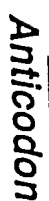
FIGURE 8

09630416-1



## FIGURE 7

5.



## Anticodon